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# United States Department of Agriculture

## SERVICE AND REGULATORY ANNOUNCEMENT

### BUREAU OF PLANT INDUSTRY

AUGUST, 1927

#### ADULTERATION AND MISBRANDING OF SEED OF REDTOP

During the calendar year 1926 seed of redbtop was procured in the open market, in accordance with the act of Congress making appropriations for the United States Department of Agriculture of which the following is a part:

Where such samples [seeds of grasses, clover, or alfalfa, and lawn-grass seeds secured in the open market] are found to be adulterated or misbranded, the results of the tests shall be published, together with the names of the persons by whom the seeds were offered for sale.

In carrying out the provisions of this act 441 mail samples and 118 purchased lots of seed in bulk were obtained. These were examined in the seed laboratory of the Bureau of Plant Industry, and publication is here made of the results of the analyses of the samples found to be adulterated or misbranded, together with the names of the persons by whom they were offered for sale. (See Table 1.)

Seed purchased from 32 firms was found to be adulterated or misbranded. In all cases timothy seed was the principal adulterant found.

TABLE 1.—Results of tests of samples of seed obtained in the open market as redbtop seed and found to be adulterated or misbranded

Seed offered for sale or sold as redbtop seed by—		Seed obtained by—	Seeds and inert matter found upon analysis of samples			
Name of dealer	Address		Red-top seed	Timothy seed	Other seed	Dirt and chaff
			Per cent	Per cent	Per cent	Per cent
The Adams Seed Co. ....	Box 306, Decorah, Iowa. ....	Mail (sample)....	70.13	12.67	8.48	8.67
Do. ....	do. ....	Purchase (bulk)....	68.72	14.57	9.05	7.66
T. Lee Adams Seed Co. ....	417 Walnut Street, Kansas City, Mo. ....	Mail (sample)....	66.79	16.03	4.95	12.18
Do. ....	do. ....	Purchase (bulk)....	62.89	20.13	4.94	12.04
Anderson-Trobaugh Co. ....	Morristown, Tenn. ....	Mail (sample)....	69.95	12.39	.68	16.98
Do. ....	do. ....	Purchase (bulk)....	69.48	14.25	4.66	11.61
Jim Andrews, jr. ....	13 East Side of Public Square, Columbia, Tenn. ....	Mail (sample)....	.69	86.56	6.52	6.23
Do. ....	do. ....	Purchase (bulk)....	67.40	14.54	5.20	12.86
Bailey & Sons Co. ....	Corner Fifth South and Third West Street, Salt Lake City, Utah. ....	Mail (sample)....	82.31	6.24	.65	10.80
Do. ....	do. ....	Purchase (bulk)....	82.31	6.50	.63	10.56
Barber's Seed Store. ....	2329 Second Avenue, Birmingham, Ala. ....	Mail (sample)....	45.37	33.02	6.74	14.87
Do. ....	do. ....	Purchase (bulk)....	46.89	32.32	6.06	14.73
Henry Campbell. ....	Seward, Nebr. ....	Mail (sample)....	29.69	64.55	.40	5.36
Do. ....	do. ....	Purchase (bulk)....	29.82	62.67	1.14	6.37
Chesmore Seed Co. ....	210-212 South Third Street, St. Joseph, Mo. ....	Mail (sample)....	76.45	6.43	1.72	15.40
Do. ....	do. ....	Purchase (bulk)....	77.93	5.99	1.83	14.25
Farber Seed Co. ....	725 South Fourth Street, St. Joseph, Mo. ....	Mail (sample)....	65.23	7.01	7.95	19.81
Do. ....	do. ....	Purchase (bulk)....	66.70	6.88	8.26	18.16
Great Northern Seed Co. ....	Rockford, Ill. ....	do. ....	69.82	6.67	.61	22.90
Gunn Seed Co. ....	127 South Tenth Street, Lincoln, Nebr. ....	Mail (sample)....	61.63	19.34	1.89	17.14
Do. ....	do. ....	Purchase (bulk)....	61.86	17.96	1.89	18.29
Gustin & Son. ....	Pleasant Hill, Mo. ....	Mail (sample)....	69.24	13.81	2.47	14.48
Do. ....	do. ....	Purchase (bulk)....	71.11	14.40	2.14	12.35

TABLE 1.—*Results of tests of samples of seed obtained in the open market as redtop seed and found to be adulterated or misbranded—Continued*

Seed offered for sale or sold as redtop seed by—		Seed obtained by—	Seeds and inert matter found upon analysis of samples			
Name of dealer	Address		Red-top seed	Timothy seed	Other seed	Dirt and chaff
Hackney, Kearns & Lackey Co.	215-227 North Broadway, Knoxville, Tenn.	Purchase (bulk)	56.98	29.83	2.96	10.23
J. C. Haile & Sons	215 Walnut Street, Cincinnati, Ohio.	Mail (sample)	72.75	5.49	2.84	18.92
Do.	do.	Purchase (bulk)	68.31	6.32	3.07	22.30
Hales & Hunter Co.	327 South La Salle Street, Chicago, Ill.	Mail (sample)	72.40	7.45	5.67	14.48
Do.	do.	Purchase (bulk)	72.75	7.77	5.96	13.52
Hamilton-Bacon-Hamilton Co. (Inc.).	Bristol, Va.-Tenn.	Mail (sample)	69.59	11.31	3.77	15.33
Do.	do.	Purchase (bulk)	69.89	9.68	3.64	16.79
Hardin, Hamilton & Lewman.	831 West Main Street, Louisville, Ky.	Mail (sample)	73.01	7.12	6.84	13.03
Do.	do.	Purchase (bulk)	72.05	7.20	5.87	14.88
Herndon-Carter Co.	116-118 North Third Street, Louisville, Ky.	Mail (sample)	75.17	6.89	5.52	12.42
Do.	do.	Purchase (bulk)	69.18	11.76	6.75	12.31
H. F. Hertzog.	Reading, Pa.	Mail (sample)	78.44	5.78	2.21	13.57
Do.	do.	Purchase (bulk)	80.09	5.11	1.92	12.88
Chas. A. Hill & Co.	Sixth Avenue South and Oak Street, Nashville, Tenn.	do.	39.20	32.98	9.34	18.48
Geo. Hooper & Co.	312 Broadway, Nashville, Tenn.	do.	69.59	9.93	4.79	15.69
Klass Seed Store.	Columbia, Mo.	Mail (sample)	28.52	36.27	7.08	28.13
Do.	do.	Purchase (bulk)	22.21	29.75	6.42	41.62
Louisville Seed Co.	Louisville, Ky.	Mail (sample)	22.90	16.78	9.57	50.75
Do.	do.	Purchase (bulk)	35.37	12.03	4.24	48.36
McKay-Reece Co.	148-150 Second Avenue North, Nashville, Tenn.	Mail (sample)	79.32	6.86	2.71	11.11
Do.	do.	Purchase (bulk)	71.86	11.56	4.30	12.28
Do.	do.	Mail (sample)	78.08	7.74	3.45	10.73
Do.	do.	Purchase (bulk)	67.52	12.49	5.59	14.40
D. R. Mayo.	419 Wall Avenue, Knoxville, Tenn.	do.	75.14	8.19	3.39	13.28
National Seed Co.	101 West Main Street, Louisville, Ky.	Mail (sample)	58.24	13.70	4.79	23.27
Do.	do.	Purchase (bulk)	55.39	18.83	5.77	20.01
Standard Seed Co.	113 East Fifth Street, Kansas City, Mo.	Mail (sample)	79.36	5.85	2.38	12.41
Do.	do.	Purchase (bulk)	67.60	12.85	6.97	12.58
Tobin & Quinn Seed Co.	1515 Genesee Street, Kansas City, Mo.	Mail (sample)	66.21	15.96	4.90	12.93
Do.	do.	Purchase (bulk)	65.27	18.28	4.76	11.69
Tucker-Mosby Seed Co.	60 South Front Street, Memphis, Tenn.	do.	79.20	12.37	2.17	6.26
Van Antwerp's Seed Store.	Mobile, Ala.	Mail (sample)	67.30	9.55	2.16	20.99
Do.	do.	Purchase (bulk)	68.81	9.66	2.36	19.17
Vicksburg Seed Co.	1109 North Washington Street, Vicksburg, Miss.	Mail (sample)	70.90	10.50	2.00	16.60
Do.	do.	Purchase (bulk)	80.53	10.97	1.86	6.64
I. Wind & Co.	117 Washington Street, Huntsville, Ala.	Mail (sample)	67.96	19.31	1.85	10.88
Do.	do.	Purchase (bulk)	66.03	18.34	2.15	13.48

The Bureau of Plant Industry of the United States Department of Agriculture will continue to examine and report promptly as to the presence of adulterants and dodder in any sample of seed submitted for that purpose. According to the location of the sender, these samples may be submitted to the seed laboratory at Washington, D. C., or to any of the following laboratories maintained through the cooperation of this department: Cooperative Seed Laboratory, California State Department of Agriculture, 1217 L Street, Sacramento, Calif.; Cooperative Seed Laboratory, Oregon Agricultural College, Corvallis, Oreg.; Cooperative Seed Laboratory, Purdue University Agricultural Experiment Station, La Fayette, Ind.; Cooperative Seed Laboratory, Missouri Agricultural Experiment Station, Columbia, Mo.

Approved:

W. M. JARDINE,  
Secretary of Agriculture.

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